

the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that this AD:

- (1) Is not a “significant regulatory action” under Executive Order 12866,
- (2) Will not affect intrastate aviation in Alaska, and
- (3) Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

The Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

PART 39—AIRWORTHINESS DIRECTIVES

- 1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§ 39.13 [Amended]

- 2. The FAA amends § 39.13 by:
 - a. Removing Airworthiness Directive 2022–19–03, Amendment 39–22172 (87 FR 57809, September 22, 2022); and
 - b. Adding the following new airworthiness directive:

2023–12–17 Pilatus Aircraft Ltd.:

Amendment 39–22475; Docket No. FAA–2023–0667; Project Identifier MCAI–2022–00735–A.

(a) Effective Date

This airworthiness directive (AD) is effective August 7, 2023.

(b) Affected ADs

This AD replaces AD 2022–19–03, Amendment 39–22172 (87 FR 57809, September 22, 2022) (AD 2022–19–03).

(c) Applicability

This AD applies to Pilatus Aircraft Ltd. Model PC–12, PC–12/45, PC–12/47, and PC–12/47E airplanes, all serial numbers, certificated in any category.

(d) Subject

Joint Aircraft System Component (JASC) Code 5511, Horizontal Stabilizer, Spar/Rib.

(e) Unsafe Condition

This AD was prompted by mandatory continuing airworthiness information (MCAI) originated by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI states that failure to revise the airworthiness limitations section (ALS) of the existing

aircraft maintenance manual (AMM) by introducing new and more restrictive instructions and maintenance tasks as specified in the component limitations section, which includes repetitive inspections for cracks in the lower main spar connection of the horizontal stabilizer, could result in an unsafe condition. The FAA is issuing this AD to address failure of certain parts, which could result in loss of airplane control.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Required Actions

(1) Before further flight after the effective date of this AD, revise the ALS of the existing AMM or Instructions for Continued Airworthiness for your airplane by incorporating the requirements specified in paragraph (1) of European Union Aviation Safety Agency AD 2022–0103, dated June 9, 2022 (EASA AD 2022–0103).

(2) The actions required by paragraph (g)(1) of this AD may be performed by the owner/operator (pilot) holding at least a private pilot certificate and must be entered into the aircraft records showing compliance with this AD in accordance with 14 CFR 43.9(a) and 91.417(a)(2)(v). The record must be maintained as required by 14 CFR 91.417, 121.380, or 135.439.

(h) Provisions for Alternative Requirements (Airworthiness Limitations)

After the actions required by paragraph (g) of this AD have been done, no alternative requirements (airworthiness limitations) are allowed unless they are approved as specified in the provisions of the “Ref. Publications” section of EASA AD 2022–0103.

(i) Alternative Methods of Compliance (AMOCs)

(1) The Manager, International Validation Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the International Validation Branch, mail it to the address identified in paragraph (j) of this AD or email: 9-AVS-AIR-730-AMOC@faa.gov. If mailing information, also submit information by email. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) Global AMOC AIR–730–22–357, dated September 28, 2022, and Global AMOC AIR–730–23–054 R1, dated February 10, 2023, were approved as AMOCs for the requirements for AD 2022–19–03, and are approved as AMOCs for the requirements of paragraph (g) of this AD. Other AMOCs previously issued for the requirements of AD 2022–19–03 are not approved as an AMOC for the requirements of this AD.

(j) Additional Information

For more information about this AD, contact Doug Rudolph, Aviation Safety Engineer, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone: (816) 329–4059; email: doug.rudolph@faa.gov.

(k) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless the AD specifies otherwise.

(i) European Union Aviation Safety Agency AD 2022–0103, dated June 9, 2022.

(ii) [Reserved]

(3) For EASA AD 2022–0103, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; phone: +49 221 8999 000; email: ADS@easa.europa.eu; website easa.europa.eu. You may find this EASA AD on the EASA website at ad.easa.europa.eu.

(4) You may view this service information at the FAA, Airworthiness Products Section, Operational Safety Branch, 901 Locust, Kansas City, MO 64106. For information on the availability of this material at the FAA, call (817) 222–5110.

(5) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email: fr.inspection@nara.gov, or go to: www.archives.gov/federal-register/cfr/ibr-locations.html.

Issued on June 14, 2023.

Michael Linegang,

Acting Director, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2023–14007 Filed 6–30–23; 8:45 am]

BILLING CODE 4910–13–P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA–2023–0654; Project Identifier MCAI–2022–01505–T; Amendment 39–22467; AD 2023–12–09]

RIN 2120–AA64

Airworthiness Directives; Airbus Canada Limited Partnership (Type Certificate Previously Held by C Series Aircraft Limited Partnership (CSALP); Bombardier, Inc.) Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: The FAA is adopting a new airworthiness directive (AD) for certain Airbus Canada Limited Partnership Model BD–500–1A10 and BD–500–1A11 airplanes. This AD was prompted

by reports that, during instrument landing system (ILS) approaches, the flight control system reverted from primary flight control computer (PFCC) normal mode operating in autopilot to remote electronics unit (REU) direct mode, and then, after a period of time, to PFCC direct mode. This AD requires installation of a PFCC software update; and a records review or detailed inspection to identify pre-existing repairs or damage within certain limits to certain structures, and obtaining and following additional instructions, if necessary, as specified in a Transport Canada AD, which is incorporated by reference. The FAA is issuing this AD to address the unsafe condition on these products.

DATES: This AD is effective August 7, 2023.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of August 7, 2023.

ADDRESSES:

AD Docket: You may examine the AD docket at [regulations.gov](https://www.regulations.gov) under Docket No. FAA–2023–0654; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this final rule, the mandatory continuing airworthiness information (MCAI), any comments received, and other information. The address for Docket Operations is U.S. Department of Transportation, Docket Operations, M–30, West Building Ground Floor, Room W12–140, 1200 New Jersey Avenue SE, Washington, DC 20590.

Material Incorporated by Reference:

- For material incorporated by reference in this AD, contact Transport Canada, Transport Canada National Aircraft Certification, 159 Cleopatra Drive, Nepean, Ontario K1A 0N5, Canada; telephone 888–663–3639; email: TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca; website: tc.canada.ca/en/aviation.

- You may view this material at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th Street, Des Moines, WA. For information on the availability of this material at the FAA, call 206–231–3195. It is also available in the AD docket at [regulations.gov](https://www.regulations.gov) under Docket No. FAA–2023–0654.

FOR FURTHER INFORMATION CONTACT:

Steven Dzierzynski, Aviation Safety Engineer, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone (516) 228–7300; email 9-avs-nyaco-cos@faa.gov.

SUPPLEMENTARY INFORMATION:

Background

The FAA issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to certain Airbus Canada Limited Partnership Model BD–500–1A10 and BD–500–1A11 airplanes. The NPRM published in the *Federal Register* on March 30, 2023 (88 FR 19019). The NPRM was prompted by AD CF–2022–65, dated November 23, 2022, issued by Transport Canada, which is the aviation authority for Canada (also referred to as the MCAI). The MCAI states that airplanes equipped with the CAT IIIB Autoland option, have had numerous occurrences during ILS approaches where the flight control system has reverted from PFCC normal mode operating in autopilot to REU direct mode, and then, after a period of time, to PFCC direct mode. During these occurrences, the caution message FLT CTRL DIRECT is posted on the engine indication and crew alerting system (EICAS). The MCAI states that it requires a PFCC software update, which includes control law updates that require review and disposition of previous repairs and damage assessments prior to conducting the software update. These pre-existing repairs and damage may exceed the Aircraft Structural Repair Publication (ASRP) permitted damage limits for affected structures and would affect the control laws.

In the NPRM, the FAA proposed to require installing updated PFCC software; this installation includes prerequisites that must be met prior to the installation (installing certain database versions and software). In addition, the installation requires a records review or detailed inspection to identify pre-existing repairs and damages (that were within ASRP limits) to certain structures and obtaining and following additional instructions, as specified in Transport Canada AD CF–2022–65. The FAA is issuing this AD to address reversion to direct mode during ILS approaches, which, if not corrected, could impact flight control functions, which could prevent continued safe flight and landing. See the MCAI for additional background information.

You may examine the MCAI in the AD docket at [regulations.gov](https://www.regulations.gov) under Docket No. FAA–2023–0654.

Discussion of Final Airworthiness Directive

Comments

The FAA received a comment from The Air Line Pilots Association, International (ALPA), who supported the NPRM without change. The FAA

received an additional comment from one commenter, Delta Air Lines (Delta). The following presents the comment received on the NPRM and the FAA's response to each comment.

Request for Clarification if Repair Review Is a Required for Compliance (RC) Action

Delta requested to include an exception in paragraph (h) of the proposed AD to clarify that step 3.2 of the Accomplishment Instructions in Airbus Canada Limited Partnership A220 Service Bulletin (SB) BD500–270020, Issue No. 001, dated September 28, 2022, is not required for compliance (RC).

The FAA disagrees with adding an exception for Procedure section 3.2 of Airbus Canada Limited Partnership A220 SB BD500–270020, Issue No. 001, dated September 28, 2022. The note of step 1 of the Procedure section states “The Procedure section of the Accomplishment Instructions is Required for Compliance (RC) and must be done to comply with the AD.” The software of the PFCC is updated so that the new Control Laws (CLAWS) obey the compliance requirements for the Maximum Landing Weight (MLW) increase and to resolve inadvertent Direct Mode reversions in approach on CAT IIIB capable configuration. The unsafe condition is addressed by the software update which also includes the control laws updates. There is a statement in the Background section of the proposed AD that references the Transport Canada AD CF–2022–65 note, which mentions the PFCC software update also includes control laws updates. No changes have been made to this AD regarding this issue.

Conclusion

This product has been approved by the aviation authority of another country and is approved for operation in the United States. Pursuant to the FAA's bilateral agreement with this State of Design Authority, it has notified the FAA of the unsafe condition described in the MCAI referenced above. The FAA reviewed the relevant data, considered the comments received, and determined that air safety requires adopting this AD as proposed. Accordingly, the FAA is issuing this AD to address the unsafe condition on this product. Except for minor editorial changes, this AD is adopted as proposed in the NPRM. None of the changes will increase the economic burden on any operator.

Related Service Information Under 1 CFR Part 51

Transport Canada AD CF-2022-65 specifies procedures for installing updated PFCC software; this installation includes pre-requisites that must be met prior to the installation (installing certain database versions and software).

In addition, the installation requires a records review or detailed inspection to identify pre-existing repairs and damages (that were within ASRP limits) to certain structures and obtaining and following additional instructions. This material is reasonably available because the interested parties have access to it through their normal course of business

or by the means identified in the **ADDRESSES** section.

Costs of Compliance

The FAA estimates that this AD affects 72 airplanes of U.S. registry. The FAA estimates the following costs to comply with this AD:

ESTIMATED COSTS FOR REQUIRED ACTIONS

Labor cost	Parts cost	Cost per product	Cost on U.S. operators
4 work-hours × \$85 per hour = \$340	\$14	\$354	\$25,488

The FAA has received no definitive data on which to base the cost estimates for the on-condition actions specified in this AD.

The FAA has included all known costs in its cost estimate. According to the manufacturer, however, some or all of the costs of this AD may be covered under warranty, thereby reducing the cost impact on affected operators.

Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA’s authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. Subtitle VII: Aviation Programs, describes in more detail the scope of the Agency’s authority.

The FAA is issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701: General requirements. Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

Regulatory Findings

This AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that this AD:

- (1) Is not a “significant regulatory action” under Executive Order 12866,

- (2) Will not affect intrastate aviation in Alaska, and

- (3) Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

The Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

PART 39—AIRWORTHINESS DIRECTIVES

- 1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§ 39.13 [Amended]

- 2. The FAA amends § 39.13 by adding the following new airworthiness directive:

2023-12-09 Airbus Canada Limited Partnership (Type Certificate Previously Held by C Series Aircraft Limited Partnership (CSALP); Bombardier, Inc.): Amendment 39-22467; Docket No. FAA-2023-0654; Project Identifier MCAI-2022-01505-T.

(a) Effective Date

This airworthiness directive (AD) is effective August 7, 2023.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Airbus Canada Limited Partnership (Type Certificate previously held by C Series Aircraft Limited Partnership (CSALP); Bombardier, Inc.) Model BD-500-1A10 and BD-500-1A11 airplanes, certificated in any category, as identified in Transport Canada AD CF-2022-65, dated

November 23, 2022 (Transport Canada AD CF-2022-65).

(d) Subject

Air Transport Association (ATA) of America Code: 27, Flight control system.

(e) Unsafe Condition

This AD was prompted by reports that, during instrument landing system (ILS) approaches, the flight control system reverted from primary flight control computer (PFCC) normal mode operating in autopilot to remote electronics unit (REU) direct mode, and then, after a period of time, to PFCC direct mode. The FAA is issuing this AD to address reversion to direct mode during ILS approaches, which, if not corrected, could impact flight control functions and could prevent continued safe flight and landing.

(f) Compliance

Comply with this AD within the compliance times specified, unless already done.

(g) Requirements

Except as specified in paragraph (h) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, Transport Canada AD CF-2022-65.

(h) Exceptions to Transport Canada AD CF-2022-65

(1) Where Transport Canada AD CF-2022-65 refers to its effective date, this AD requires using the effective date of this AD.

(2) Where the service information referenced in Transport Canada AD CF-2022-65 specifies installing software updates on the PFCCs using a USB-type device, this AD also allows the use of a portable maintenance access terminal (PMAT)-type device.

Note 1 to paragraph (h)(2): When using a PMAT-type device, guidance for updating the software can be found in Airbus Canada Service Bulletin (SB) BD500-270020, Issue 001, dated September 28, 2022.

(i) Additional AD Provisions

The following provisions also apply to this AD:

(1) *Alternative Methods of Compliance (AMOCs):* The Manager, International Validation Branch, FAA, has the authority to

approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or responsible Flight Standards Office, as appropriate. If sending information directly to the International Validation Branch, send it to the attention of the person identified in paragraph (j)(1) of this AD. Information may be emailed to: 9-AVS-AIR-730-AMOC@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the responsible Flight Standards Office.

(2) **Contacting the Manufacturer:** For any requirement in this AD to obtain instructions from a manufacturer, the instructions must be accomplished using a method approved by the Manager, International Validation Branch, FAA; or Transport Canada; or Airbus Canada Limited Partnership's Transport Canada Design Approval Organization (DAO). If approved by the DAO, the approval must include the DAO-authorized signature.

(3) **Required for Compliance (RC):** Except as required by paragraph (i)(2) of this AD, if any service information contains procedures or tests that are identified as RC, those procedures and tests must be done to comply with this AD; any procedures or tests that are not identified as RC are recommended. Those procedures and tests that are not identified as RC may be deviated from using accepted methods in accordance with the operator's maintenance or inspection program without obtaining approval of an AMOC, provided the procedures and tests identified as RC can be done and the airplane can be put back in an airworthy condition. Any substitutions or changes to procedures or tests identified as RC require approval of an AMOC.

(j) Additional Information

(1) For more information about this AD, contact Steven Dzierzynski, Aviation Safety Engineer, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; phone (516) 228-7300; email 9-avs-nyaco-cos@faa.gov.

(2) For Airbus Canada service information identified in this AD that is not incorporated by reference, contact Airbus Canada Limited Partnership, 13100 Henri-Fabre Boulevard, Mirabel, Québec J7N 3C6, Canada; telephone 450-476-7676; email a220_crc@abc.airbus; website: a220world.airbus.com. You may view this service information at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th Street, Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

(k) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) Transport Canada AD CF-2022-65, dated November 23, 2022.

(ii) [Reserved]

(3) For Transport Canada AD CF-2022-65, contact Transport Canada, Transport Canada

National Aircraft Certification, 159 Cleopatra Drive, Nepean, Ontario K1A 0N5, Canada; telephone 888-663-3639; email:

TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca; website: tc.canada.ca/en/aviation.

(4) You may view this material at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th Street, Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

(5) You may view this material that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email fr.inspection@nara.gov, or go to: www.archives.gov/federal-register/cfr/ibr-locations.html.

Issued on June 13, 2023.

Michael Linegang,

Acting Director, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2023-14006 Filed 6-30-23; 8:45 am]

BILLING CODE 4910-13-P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2023-0662; Project Identifier MCAI-2022-00745-T; Amendment 39-22464; AD 2023-12-06]

RIN 2120-AA64

Airworthiness Directives; Bombardier, Inc., Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: The FAA is superseding Airworthiness Directive (AD) 2020-07-13, which applied to certain Bombardier, Inc., Model BD-100-1A10 airplanes. AD 2020-07-13 required revising the existing airplane flight manual (AFM) to provide the flightcrew with new warnings for "Autoflight" and "Engine Failure in Climb During ALTS CAP." This AD requires revising the existing AFM to provide the flightcrew with new warnings for "Autoflight" and "Engine Failure in Climb During (V) ALTS CAP or (V) ALTV CAP." This AD was prompted by a revision to the procedures to ensure that all applicable altitude capture modes utilized and annunciated in the affected fleet are included and to more clearly denote these altitude capture modes. The FAA is issuing this AD to address the unsafe condition on these products.

DATES: This AD is effective August 7, 2023.

The Director of the Federal Register approved the incorporation by reference

of certain publications listed in this AD as of August 7, 2023.

ADDRESSES:

AD Docket: You may examine the AD docket at regulations.gov under Docket No. FAA-2023-0662; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this final rule, the mandatory continuing airworthiness information (MCAI), any comments received, and other information. The address for Docket Operations is U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE, Washington, DC 20590.

Material Incorporated by Reference:

- For service information identified in this final rule, contact Bombardier Business Aircraft Customer Response Center, 400 Côte-Vertu Road West, Dorval, Québec H4S 1Y9, Canada; telephone 514-855-2999; email ac.yul@aero.bombardier.com; website bombardier.com.

- You may view this service information at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. It is also available at regulations.gov under Docket No. FAA-2023-0662.

FOR FURTHER INFORMATION CONTACT:

Steven Dzierzynski, Aviation Safety Engineer, FAA, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; telephone 516-228-7367; email 9-avs-nyaco-cos@faa.gov.

SUPPLEMENTARY INFORMATION:

Background

The FAA issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to supersede AD 2020-07-13, Amendment 39-19892 (85 FR 20394, April 13, 2020) (AD 2020-07-13). AD 2020-07-13 applied to certain Bombardier, Inc., Model BD-100-1A10 airplanes. AD 2020-07-13 required revising the existing AFM to provide the flightcrew with new warnings for "Autoflight" and "Engine Failure in Climb During ALTS CAP." The FAA issued AD 2020-07-13 to address the occurrence of an engine failure during or before a climb while in ALTS CAP or (V) ALTS CAP mode, as it could cause the airspeed to drop significantly below the safe operating speed and may require prompt flightcrew intervention to maintain a safe operating speed.

The NPRM published in the **Federal Register** on April 10, 2023 (88 FR 21123). The NPRM was prompted by